ELSEVIER

Computers in Industry 34 (1997) 361–362

COMPUTERS IN INDUSTRY

Author index to volume 34

Abu-Hamdan, M.G. and A. Sherif El-Gizawy, Computer-aided monitoring system for flexible assembly operations 1
Anderson, J., Future directions of R & D in the process industries 161
Ang, C.L., *see* Li, X. 261
Avramopoulos, I., *see* Tatsiopoulos, I.P. 221

Bemelman, R., *see* Tharumarajah, A. 95
Bonello, P., *see* Borg, J. 11
Bongaerts, L., *see* Valckenaers, P. 239
Borg, J., P. Bonello and C. Ciantar, A computer based tool for the design and manufacture of automatic lathe cams 11
Bradley, C., *see* Kurada, S. 55

Cantamessa, M., Agent-based modeling and management of manufacturing systems 173
Cay, F. and C. Chassapis, An IT view on perspectives of computer aided process planning research 307
Chang, C.A. and C.-Y. Tsai, Using ART1 neural networks with destructive solid geometry for design retrieving systems 27
Chassapis, C., *see* Cay, F. 307
Ciantar, C., *see* Borg, J. 11

De Pennington, A., *see* Lim, S.H. 339
Dong, Z., *see* Xue, D. 139

Euwe, M.J. and H. Wortmann, Planning systems in the next century (I) 233

Fang, S.-G., *see* Zwegers, A.J.R. 187

Gay, R., *see* Li, X. 261

Hoang, K., W. Wen, A. Nachimuthu and X.L. Jiang, Achieving automation in leather surface inspection 43
Hwang, C.-T., *see* Trappey, A.J.C. 111

Jiang, X.L., *see* Hoang, K. 43
Juster, N., *see* Lim, S.H. 339

Kapsiotis, G., *see* Tzafestas, S. 201
Kurada, S. and C. Bradley, A review of machine vision sensors for tool condition monitoring 55
Kyriannakis, E., *see* Tzafestas, S. 201

Lai, J.-Y., *see* Lin, C.-Y. 73
Li, H. and T.J. Williams, Some extensions to the Purdue Enterprise Reference Architecture (PERA). I. Explaining the Purdue architecture and the Purdue methodology using the axioms of engineering design 247

Li, X., C.L. Ang and R. Gay, An intelligent scenario generator for strategic business planning 261
Lim, S.H., N. Juster and A. de Pennington, Enterprise modelling and integration: a taxonomy of seven key aspects 339
Lin, C.-Y., C.-S. Liou and J.-Y. Lai, A surface-lofting approach for smooth-surface reconstruction from 3D measurement data 73
Liou, C.-S., *see* Lin, C.-Y. 73
Liu, T.-H., *see* Trappey, A.J.C. 111

Mayer, A.A.C., *see* van Dijk, C.G.C. 125
Moon, S., *see* Shen, Y. 295

Nachimuthu, A., *see* Hoang, K. 43

Pels, H.-J., *see* Zwegers, A.J.R. 187

Rzevski, G., A framework for designing intelligent manufacturing systems 211

Shen, Y. and S. Moon, Mapping of probe pretravel in dimensional measurements using neural networks computational technique 295
Sherif El-Gizawy, A., *see* Abu-Hamdan, M.G. 1
Su, C.-T. and L.-I. Tong, A neural network-based procedure for the process monitoring of clustered defects in integrated circuit fabrication 285

Tatsiopoulos, I.P., I. Avramopoulos and I. Theoharis, A reference data model for production control in the electronics industry 221
Teo, C.Y., Computer-aided design and simulation of low-voltage electrical distribution systems 87
Tharumarajah, A. and R. Bemelman, Approaches and issues in scheduling a distributed shop-floor environment 95
Theoharis, I., *see* Tatsiopoulos, I.P. 221
Tong, L.-I., *see* Su, C.-T. 285
Trappey, A.J.C., T.-H. Liu and C.-T. Hwang, Using EXPRESS data modeling technique for PCB assembly analysis 111
Tsai, C.-Y., *see* Chang, C.A. 27
Tu, Y., Production planning and control in a virtual One-of-a-Kind Production company 271
Tzafestas, S., G. Kapsiotis and E. Kyriannakis, Model-based predictive control for generalized production planning problems 201

Valckenaers, P., L. Bongaerts and J. Wyns, Planning systems in the next century (II) 239
Van Dijk, C.G.C. and A.A.C. Mayer, Sketch input for conceptual surface design 125

Wen, W., *see* Hoang, K. 43
Williams, T.J., *see* Li, H. 247
Wortmann, H., *see* Euwe, M.J. 233
Wyns, J., *see* Valckenaers, P. 239

Xue, D. and Z. Dong, Coding and clustering of design and manufacturing features for concurrent design 139

Zwegers, A.J.R., S.-G. Fang and H.-J. Pels, Evaluation of architecture design with CIMOSA 187

ELSEVIER

Computers in Industry 34 (1997) 363–364

COMPUTERS IN INDUSTRY

Subject index to volume 34

Adaptive resonance networks 27
Advertisement process 201
Agents 173
Agile manufacturing 271
Architectural design 187
ART1 27
Artificial intelligence in engineering 211
Auto-lathes 11
Automatic drafting 87
Automatic manufacturing system 43
Autonomous agents 211
Axioms of design 247

Back-propagation network 295
Blackboard model 1

c chart 285
CIM 239
CIMOSA 187
Cluster 285
Clustering analysis 285
Compound motion 11
Computer Aided Design 307
Computer aided design (CAD) 87
Computer Aided Manufacturing 307
Computer Aided Process Planning 307
Computer integrated manufacturing 247
Concurrent engineering design 139
Control 161
Control architecture 187
Curve fitting 73
Cutting tool monitoring 55

Decision trees 1
Decision under uncertainty 201
Defect 285
Design-for-assembly 111
Design retrieval 27
Design retrieving 139
Destructive solid geometry 27
Detection 1
Diagnosis 1
Dimensional measurements 295
Distributed systems 239

Edge vectors 11
Electronics industry 221
Enterprise engineering 339
Enterprise integration 339
Enterprise integration modelling 339
Enterprise modelling 339
Error mapping 295
Expert systems 1
EXPRESS 111

Feature modeling 139
Flank wear 55
Future 161
Fuzzy c-means clustering 139

Intelligent manufacturing 211
Intelligent systems 211
Inventory systems 201
Investment 161

Leather surface inspection 43

Machine vision 43, 55
Management 173
Manufacturing information 55
Manufacturing systems 173
Methodology 247
Model-based predictive control 201

Neural network 295
Neural networks 261, 285

Object-oriented data base management system 111
One-of-a-Kind Production 271
Operational errors 1

Planar cam design 11
Pretravel 295
Printed circuit board assembly 111
Process 161
Production control 221
Production planning 201
Production planning and control 271
Production process planning 139
Profile blending 11
Profit 161

Recovery 1
Reference architecture 247
Reference models 221
Reverse engineering 73

Robotic assembly 1
Scenario generation 261
Scheduling 239
Strategic business planning 261
Surface lofting 73
Virtual manufacturing 271